

MILITARY
RUSSIA

DOMESTIC MILITARY EQUIPMENT (after 1945)

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ARTICLESFORUM

25mm installation 2M8

ADDITION REQUIRED (data for 1997)
25mm installation 2M8

2 x 25 mm artillery mount for submarines. Since 1950, it was installed on submarines of project 613 WHISKEY (a total of 215 units were built, one mount per submarine), on submarines of project 611 ZULU type (26 submarines, dismantled in 1957), on submarines of projects 615 and A615 , etc.



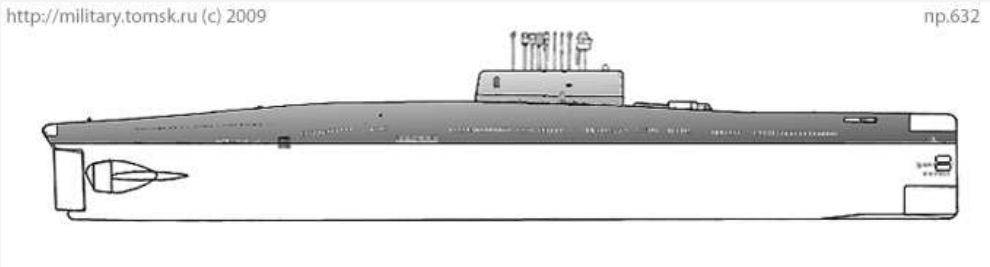
Installation of 2M8 with submarine pr. A615 (photo by S. Shlimonov, <http://forums.airbase.ru>)

Author: DIMMI Created: 18.01.2009 21:34:20 Comments: 1 [READ THE FULL ARTICLE ->](#)

pr.632 (project)

pr.632

Large diesel-electric submarine-minelayer-transport (unimplemented project). The design specifications were issued by the State Shipbuilding Committee in the early 1950s. R&D began at TsKB-18 (chief designer Ya.E. Evgrafov) in the first quarter of 1956. When the project was 33% complete, work on it was transferred to TsKB-16. The technical design was approved in September 1958, but all work was curtailed by December 1958 in favor of the large transport submarine Project 648, also designed by TsKB-16. In parallel with Project 632, Project 632M was developed with two nuclear power plants of the "0-153" type.



Author: DIMMI Created: 14.07.2009 20:54:23 Comments: 1 [READ THE FULL ARTICLE ->](#)

pr.649

pr.649

Project of a large diesel-electric submarine ("B"). R & D was conducted in 1956-1957 by TsKB-18 (chief designer - S.A. Egorov) on the basis of and with the aim of improving the submarine of project 641. Work on the project was stopped due to failure to fulfill the technical requirements - displacement of 2100-2200 tons, underwater speed of 21 knots, underwater range at maximum speed of 40-45 miles and ammunition supply of 52-54 torpedoes.

Catalog of military equipment:

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- EARTH
- WATER
 - Submarines
 - Ships of the main classes
 - Small combat ships and boats
 - Landing craft
 - Hovercraft
 - Special and auxiliary vessels
 - Ekranoplans
 - Navy Surface-to-Surface Ballistic Missiles
 - Surface-to-surface cruise missiles of the Navy
 - Anti-submarine missile systems
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VA-111 Shkval M-5

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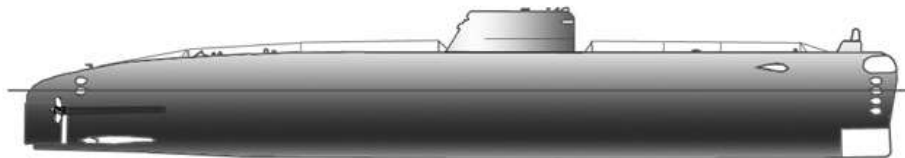
mpashnev 2020-08-13 16:26

VA-111 Shkval M-5

arma37@tank7 Wrote:From which book? t-95yes from the same... in neighboring topics the title was written by Sierra

http://military.tomsk.ru (c) 2009

np.649



Projections of the submarine pr.649

Author: [DIMMI](#)

Created: 05.07.2009 01:03:58

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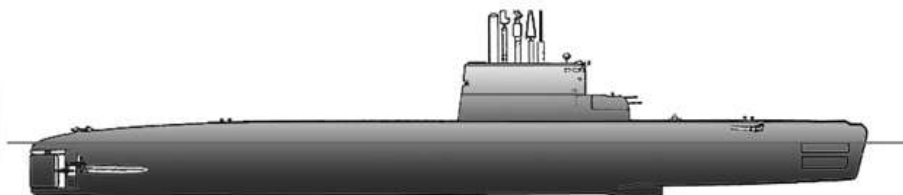
pr.618

pr.618

Project of a small submarine with a closed-cycle diesel engine ("M"). R & D was started by TsKB-18 (later renamed TsKBMT "Rubin") in 1948 (chief designer - A.A. Antipin) as an alternative to the small submarine of [Project 615](#). The submarine of Project 615 used a closed-cycle diesel propulsion plant with a chemical absorber of exhaust gases, and on Project 618 with an exhaust in the propeller stream. Preliminary development was carried out in 1948 according to the technical specifications of the Central Research Institute named after A.N. Krylov of the Navy, later the project was transferred to SKB-143. The decree of the USSR Council of Ministers on the beginning of work on the project was issued in November 1949. From 1950 to 1952, the project was developed, individual units were tested and the operating principles of the propulsion system were verified. After completing the tests of the lead boat of Project 615, it was established that the propulsion system of Project 618 had no obvious advantages over the propulsion system of Project 615, and work on Project 618 was stopped.

http://military.tomsk.ru (c) 2009

np.618



Projections of the submarine pr.618

Author: [DIMMI](#)

Created: 04.07.2009 19:38:20

Comments: [1](#)[READ THE FULL ARTICLE](#) >

pr.654

pr.654

Project of a medium diesel-electric submarine ("S"). The project was developed by TsKB-112 in accordance with the Resolution of the USSR Council of Ministers No. 1191-610 of December 6, 1956, based on the Navy's technical specifications of October 26, 1956 (chief designer Z.A. Deribin, later - A.I. Amenitsky) as a development of the submarine project [633](#). Three project versions were under development (including one initiative). In 1958, a technical project was developed, working drawings were released and preparations for submarine production began at the Krasnoye Sormovo plant (Gorky). According to various sources, work on the project was terminated at the stage of releasing working drawings or at the stage of starting submarine production. The project was terminated due to the start of construction of serial submarines.

http://military.tomsk.ru (c) 2009

np.654 (проект)



Projections pr.654

Author: [DIMMI](#)

Created: 04.07.2009 00:44:45

Comments: [2](#)[READ THE FULL ARTICLE](#) >

Complex M-3

M-3 complex, V-800 missile

SAM system for the Navy. Designed by OKB-2 (chief designer P.D. Grushin, now MKB "Fakel") since 1955. Production of prototypes was carried out at Machine-Building Plant No. 293 (Khimki). Development and testing of the system were stopped in 1957. Developments on the M-3 system were used in the design of the [M-31](#) long-range SAM system for the Navy.

[DIMMI](#) 2016-10-07 12:49

VA-111 Shkval M-5

From which book? t-95

[arma37@tank7](#) 2016-10-06 21:36

VA-111 Shkval M-5

An article for every occasion

[Sierra](#) 2016-10-06 19:51

VA-111 Shkval M-5

Slaanesh Wrote: although we may not need it, but India is interested) <http://www.ca-news.org...>

[Artist](#) 2014-09-13 04:12

VA-111 Shkval M-5

I accidentally saw an article on Wikipedia about the Dastan plant in Kyrgyzstan. This topic is nonsense...

[Artist](#) 2014-09-13 03:06

VA-111 Shkval M-5

Vladimir Vladimirovich Wrote: Removed from service in the early 1990s (((This is a lie. Nothing...

[Artist](#) 2014-09-11 21:02

VA-111 Shkval M-5

although we may not need it, but India is interested)<http://www.ca-news.org/news/725931>

[Slaanesh](#) 2011-07-05 13:03

VA-111 Shkval M-5

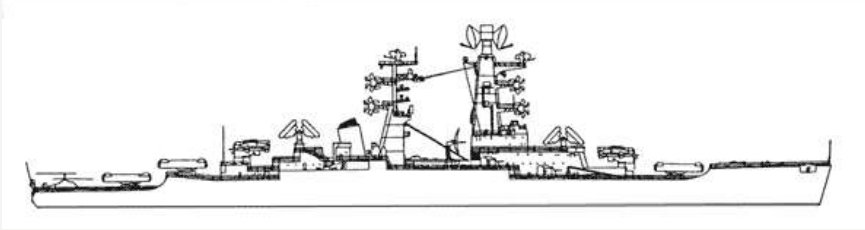
Hmm, interesting, only surface targets are written. By the way. It's interesting, what is the epic...

[Slaanesh](#) 2011-07-05 13:01

VA-111 Shkval M-5

A small remark - a wonderful example of the German trace. A magnificent development of their ideas. :beer:

[Sierra](#) 2011-05-30 01:40



Cruiser pr.64 with M-3 SAM system (Shirokorad A.B., Weapons of the domestic fleet. 1945-2000. Minsk, Harvest, 2001)

Author: [DIMMI](#)

Created: 17.01.2009 03:13:49

Comments: [1](#)

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Complex M-31

Complex M-31

SAM system of the Navy. Designed by OKB-2 (chief designer P.D. Grushin, now MKB "Fakel") in accordance with the decree of the USSR CM No. 846-382 of July 25, 1959 for arming ships of Project 1126. The complex was created on the basis and using the developments of the [M-3](#) complex. In addition to OKB-2, NII-20, NII-6, NII-48, NII-130, NII-504 and OKB-8 also participated in the work on the complex. The development of the complex was terminated by the decree of the USSR CM No. 565-236 of June 21, 1961, along with the development of the carrier.

Guidance - apparently radio command

Author: [DIMMI](#)

Created: 22.03.2009 00:58:49

Comments: [1](#)

[READ THE FULL ARTICLE](#) ➤

45 mm installation SM-20 ZIF

SM-20-ZIF

SM-20-ZIF1

ZIF-68

4 x 45 mm artillery mount. R & D was started by MATSKB (TsKB-34) in 1946-1947. The technical design for the SM-20 mount using the SM-7 assault rifle was presented on October 24, 1949. The technical design was approved on April 11, 1950, but based on the results of testing the prototype SM-7 assault rifle, it was decided to replace it with the ZIF-21 assault rifle. The design was delayed and was transferred to the Design Bureau of Plant No. 7 (Frunze Plant, PO Arsenal), where the mount was renamed the SM-20-ZIF. Serial production at Plant No. 7 began in 1953. After conducting ship tests on the destroyer "Spokoiny" project 56, the installation was accepted into service by Order of the USSR Ministry of Defense No. 0086 of October 9, 1957. By default, the installation data is SM-20-ZIF.

Author: [DIMMI](#)

Created: 19.01.2009 01:06:45

Comments: [1](#)

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57 mm ZIF-31 installation

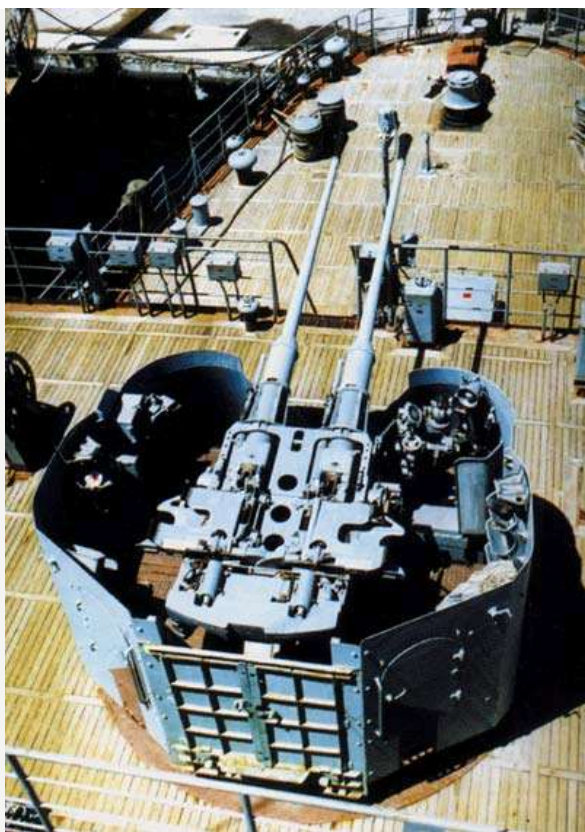
ZIF-31

ZIF-31S

ZIF-31B

ZIF-31BS

2 x 57 mm artillery mount. Developed by KB-7 (TsKB-7) based on the [SM-24-ZIF1 mount](#), the prototype was produced at Plant No. 7 and by November 30, 1954, passed factory and state field tests (about 3,000 rounds). The prototype of the ZIF-31B variant (factory No. 102) was produced by the same plant in 1954. After field tests (approx. 600 rounds), it was sent for naval trials, which were conducted from November 30 to December 31, 1954 and from March 28 to April 15, 1955, together with state tests of the Vodolay No. 8 water-filled transport, project 561 (the mount is located in the bow on frames 17-18 of the vessel). The ZIF-31B installation was accepted into service by order of the Commander-in-Chief of the Navy No. 0068 dated February 28, 1955.



Installation ZIF-31 (Shirokorad A.B., Weapons of the domestic fleet. 1945-2000. Minsk, Harvest, 2001)

Author: [DIMMI](#)

Created: 19.01.2009 23:24:09

Comments: [1](#)

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57mm AK-725 mount

AK-725 (mount - ZIF-72, guns - ZIF-74)

2 x 57 mm artillery mount. The specifications for the development of a closed mount of universal 57 mm guns were approved by the Deputy Commander-in-Chief of the Navy on November 30, 1956. R & D of the mount, called ZIF-72, was conducted at TsKB-7 under the supervision of I.A. Arefyev. The technical design was submitted on April 14, 1958. The prototype ZIF-72 was manufactured at Plant No. 7 in 1959 and underwent factory tests from January 31 to March 29, 1960 (3,040 rounds fired). State range tests were held from April 25 to May 31 and from August 11 to December 9, 1960 (a total of 4,384 rounds fired, with a delay rate of 0.3% instead of 0.5% according to the specifications). Low survivability of the barrels, which were modified in 1962 to a survivability of at least 750 shots, was noted. Naval trials (2000 shots) were conducted from January 4 to July 5, 1963 on the ship of Project 204 (factory No. 201). The mount was accepted into service under the index AK-725 by the Resolution of the USSR Council of Ministers No. 443-177 of May 23, 1964 and the Order of the Ministry of Defense of July 24, 1964. Artillery unit - two ZIF-74 automatic guns (modified version). The mount was produced by Plant No. 7 from 1961 to 1988.



Installation of AK-725 ([http:// flot.sevastopol.info](http://flot.sevastopol.info))

Author: [DIMMI](#)

Created: 19.01.2009 23:22:11

Comments: [2](#)

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30mm AK-306 installation

AK-306 (A-219 mount, AO-18L assault rifle)
AK-306M

Six-barrel 30 mm artillery mount of the "Gatling" type. The design of the A-219 mount with an electric drive of the AO-18 assault rifle (instead of a gas one) and without a radar control system was started on the basis of [the AK-630](#) based on the specifications of the Commander-in-Chief of the Navy dated July 3, 1970, by the decision of the Military-Industrial Complex under the Council of Ministers of the USSR No. 54 dated March 15, 1971 at TsKIB SOO (Chief Designer - M.S. Knebelman). The first prototype was ready on July 16, 1973. Factory tests - 1973 (7027 rounds). State range tests - from June 24, 1974 to February 22, 1978 (the barrels, breech, cradles, drives and other design elements were modified). The interface with the Lazur station during testing began in late 1977. Serial production began at Plant No. 535 (Tula Machine-Building Plant) in 1978. State shipboard tests of the A-219 installation with the Lazur optical station were conducted on the large artillery boat Project 1248 from October 3 to 28, 1979. The installation was accepted into service by Order of the Ministry of Defense No. 0125 dated June 23, 1980. The AK-306M installation is mentioned in the press, but has not yet been identified.



AK-306 on a boat of the "Mirage" type (<http://milparade.ru>)

Author: [DIMMI](#)

Created: 13.03.2009 03:57:21

Comments: [1](#)

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57 mm ZIF-75 installation

ZIF-75

4 x 57 mm artillery mount. The mount was developed according to the technical specifications of May 14, 1954, based on the work on the experimental ZIF-74 assault rifle (1954) at TsKB-7. Resolution of the USSR Council of Ministers No. 0598 on the production of a prototype was issued on April 2, 1954. The preliminary technical design of the ZIF-75 was developed from October to December 25, 1954 and approved by the Navy on March 3, 1955. Development of the unit was completed in December 1955. The pilot unit was manufactured by Plant No. 7 from January to July 1956. Factory tests involving 6,097 shots were conducted from July 11 to December 20, 1956. Field tests involving 6,161 shots were conducted from February 14 to April 25, 1957. The tests showed that the accuracy of fire without flame arresters did not exceed the requirements of the specifications. Serial production of the mounts began at Plant No. 7 in 1957. In December 1957, a prototype was transferred to Proving Ground No. 55 for use. State tests were conducted in November-December 1958 (in the amount of 10,686 rounds) jointly with state tests of the destroyer Prozorlivy, Project 56M (factory No. 1210) and the Fut-B fire control system in the Black Sea. State tests of the ZIF-75 together with the destroyers of Project 56M were completed in the Baltic and Pacific Oceans in 1958 (Baltika - destroyer Neulovimy, Project 56M, factory No. 765 from November 25 to December 12, 1958). Adopted into service by order of the USSR Ministry of Defense No. 00179 dated December 19, 1960.

Author: [DIMMI](#)

Created: 19.01.2009 23:17:05

Comments: [1](#)

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76.2mm AK-726 mount

AK-726 (ZIF-67) - L/60DP (NATO designation)



Installation of AK-726 on the BDK "Ivan Rogov" ([Military parade](#) , 1998)

2 x 76.2 mm automatic artillery mount. Development was started by the USSR Council of Ministers Resolution No. 598-265ss of April 2, 1954 at TsKB-7 (later renamed TsKB Titan). The first ZIF-67P (testing ground) prototype was created under the Navy's technical specifications of May 14, 1954. The approval for the ZIF-67P preliminary design was given on December 23, 1954. The technical design for the ZIF-67 mount was accepted by Plant No. 7 on February 20, 1956 and by the Navy Artillery Directorate on May 24, 1956. The ZIF-57P mount was manufactured at Plant No. 7 in 1955-1956. and passed factory tests (2760 shots) from May 21, 1956 to June 29, 1957.

Author: [DIMMI](#)

Created: 22.01.2009 00:30:01

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100 mm installation SM-52

SM-52

2 x 100 mm automatic artillery mount. Developed by TsKB-34 (Leningrad) for arming cruisers and guard ships. Working documentation for the project was ready on December 31, 1955. In the fourth quarter of 1957, a prototype was manufactured and its factory tests began. The barrel, ballistics and ammunition were taken from the 100 mm automatic twin-gun mount [SM-5](#) . The mount was not accepted into service (there was Western data on its acceptance into service in 1958).

Guidance - remote control of the installation from the Parus-B fire control radar.

Author: [DIMMI](#)

Created: 22.01.2009 22:42:54

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5P-10 (2003)

5P-10 "Puma"

5P-10E (export version)

Fire control system for naval artillery systems. Developed by the Ametist Design Bureau based on the AK-176-MR-123-02 fire control system (by 1996, the development of the fire control system was completed; the probable start of R&D was 1986). Preparation for production - 2000-2001. Adopted into service by 2003.



Frigate pr.1135.6 Trishul of the Indian Navy with the A-190E-5P-10E complex (artillery installation variant 1),

5P-10E radar in the background on the conning tower, 2003 (photo by Przemyslaw Gurgurewicz, <http://pvo.guns.ru>)

Author: [DIMMI](#)

Created: 12.03.2009 10:52:53

Comments: [2](#)

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P-40

P-40

Sea-based anti-ship cruise missile. It was developed in parallel with the [K-10](#) air-launched missile by OKB-155 (MiG). The complex was designed by NII-10 MSP for installation on the designed Project 63 nuclear cruisers in accordance with the USSR Council of Ministers resolutions of August 17 and 25, 1956. The missile was an analogue of the K-10 missile.

Media :

Nuclear cruiser pr.63 - R&D 1956, ammunition 12-16 missiles. The project was discontinued in favor of the [P-6](#) missile OKB-52.

Author: [DIMMI](#)

Created: 03/09/2009 19:11:28

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MRG-1

MRG-1

Multi-barrel anti-sabotage rocket-propelled grenade launcher. Adopted into service in 1991-92.



MRG-1 on the aircraft carrier "Admiral Kuznetsov" pr.1143.5

Author: [DIMMI](#)

Created: 14.02.2009 01:31:49

Comments: [4](#)

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130mm AK-130 mount

AK-130 (A-218, ZIF-94)

AK-130-MR-184 (complex)

2 x 130 mm artillery mount, created in the design bureau of the Arsenal production association on the basis of the ZIF-92 ([A-217](#)) single-gun mount. R&D work began no earlier than 1970. The prototype was manufactured in 1976 (Arsenal production association). The first prototypes were manufactured by the Barrikady plant, and the main series of mounts were manufactured by the Yurgamashzavod production association (Yurga). Trial operation on the Project 956 destroyer was conducted for 5 years. Adopted by the USSR Council of Ministers on November 1, 1985.



Installation of AK-130 (<http://milparade.ru>)

Author: [DIMMI](#)

Created: 26.01.2009 01:22:42

Comments: [1](#)

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MBU-200

MBU-200

Multi-barrel bomb launcher (24 barrels). Developed by the SKB MV under the direction of B.I. Shavyrin. Adopted into service in 1949. Used on destroyers, frigates and submarine hunters.

Guidance - by the ship's hull along the course, control of the installation and salvo - by the PUS-24-200 fire control device (installed in the wheelhouse).

Author: [DIMMI](#)

Created: 06.03.2009 00:16:07

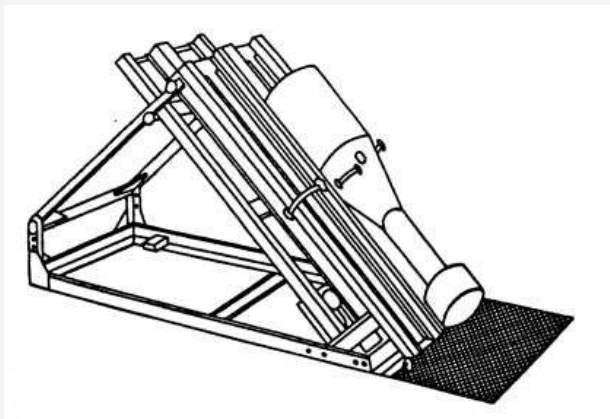
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RBU (1945)

RBU

A rocket-propelled grenade launcher developed by V.A. Artemyev and S.F. Fonarev (under the supervision of S.Ya. Bodrov). Adopted into service in 1945.



RBU (Shirokorad A.B., Weapons of the domestic fleet. 1945-2000. Minsk, Harvest, 2001)

Author: [DIMMI](#)

Created: 05.03.2009 01:52:18

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